Emily Ormond 1

Geog 456

March 19, 2024

I was inspired by the geovisualization "Here Grows New York" by Michael Zhang. His geovisualization shows the development of New York City from 1609 to present day. Something I found interesting is he not only included the growth of the city, but he highlighted important events that happened during the city's development such as the building of central park and the first subway line. He got his data from the digital archives of the New York public Library and the Library of Congress (Zhang, 2019). He then georeferenced and vectorized these historical maps, surveys, and road networks to be able to compare between years. It successfully geovisualizes the change of the city by working in 20-30 year increments to emphasize the change over time. One gripe I did have with this visualization is that it is a video and not an interactive map. This visualization was also interesting to me because I am a fan of historical maps and it was interesting to see how they could be applied in a modern context.

For my project I will be visualizing the development of the Wilson cemetery in Princeville, NC. Princeville is the first chartered Black town in the United States (Pulitzer Center, 2023). It is located on a floodplain near the tar river and is heavily affected by hurricanes. This topic is related to my field of interest because it is a problem on environmental justice and shows the reality of how climate change can affect a community. I will be using the data I scraped from findagrave.com (and hopefully will be able to get coordinates for the tombstones). I would also like to use ortho imagery from NC OneMap to see the extent of the tar river/ if the cemetery is flooded. However, NC OneMap does not have all the years I need so I will need to find another source of aerial imagery to supplement. I would like to use a slider or a scrollytelly to show the development of the historical cemetery over time using the death year to represent when the grave was built. I would also like to highlight the years when major flooding occurred

such as in 1999 with hurricane Floyd (Pressley, 1999). This contribution is important because Princeville is trying to get Wilson Cemetery declared as a historical site, and the more data and visualizations to show about the cemetery, the better.

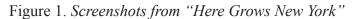




Figure 2. Data Scraped from findagrave.com

| Name | Birth | Birth Year | Death | Death Year | Image |
|-------------------------|-------------|---------------|----------------|---------------|--|
| Edith Anderson | 5 Feb 1868 | 1868 | 30 May 1954 | 1954 | |
| Virgil Anderson | 1862 | 1862 | 24 Mar 1947 | 1947 | No Image |
| Carlos Lamont Andrews | 4 Apr 1975 | 1975 | 3 Feb 2018 | 2018 | CALL TO AND |
| Fred Andrews Sr. | 20 Dec 1907 | 1907 | 6 Jun 1964 | 1964 | No Image |
| Johnny Andrews | 22 Aug 1926 | 1926 | 24 Jun 1962 | 1962 | No Image |
| Cora E Archer | 7 Feb 1902 | 1902 | 9 Sep 1987 | 1987 | M |
| Georgiana Knight Archer | 6 Jan 1878 | 1878 | 19 Jan 1963 | 1963 | No Image |
| James Austin Archer | 3 Apr 1919 | 1919 | 1 Jul 1977 | 1977 | ALC: NAME OF THE PARTY OF THE P |
| Bennie Armfield | 10 Jun 1916 | 1916 | 14 Jan 1965 | 1965 | No Image |

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